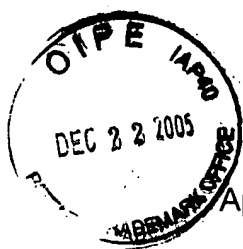


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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Gennadi FINKELSHTAIN et al.

**Confirmation No. 5103**

Group Art Unit: 1714

Appln No.: 10/757,849

Examiner: Costales, Shruti S

Filed : January 16, 2004

For : STORAGE-STABLE FUEL CONCENTRATE

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
U.S. Patent and Trademark Office  
Customer Window, Mail Stop Amendment  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Sir:

Pursuant to 37 C.F.R. § 1.56 and 37 C.F.R. §§ 1.97-1.98 and supplemental to the Information Disclosure Statement filed August 17, 2004, Applicants direct the Examiner's attention to the following documents which are family members of documents (3)-(6) cited in the Information Disclosure Statement filed August 17, 2004:

- (1) WO 02/05406 A2, July 11, 2002;
- (2) U.S. Patent No. 6,773,470 B2 (FINKELSHTAIN et al.), August 10, 2004;
- (3) U.S. Patent Application Publication No. 2002/0142196 A1 (FINKELSHTAIN et al.), October 3, 2002;
- (4) WO 2004/012280 A2, February 5, 2004.

12/23/2005 HALI11 00000094 10757849

01 FC:1806

180.00 OP

Furthermore, Applicants direct the Examiner's attention to the following documents:

- (5) U.S. Patent No. 6,878,664 B1 (FINKELSHTAIN et al.), April 12, 2005;
- (6) U.S. Patent No. 3,511,710 (JUNG et al.), May 12, 1970;
- (7) U.S. Patent No. 3,346,506 (BEUMEL, Jr.), October 10, 1967;
- (8) U.S. Patent No. 3,460,906 (LENZ et al.), August 12, 1969;
- (9) U.S. Patent No. 4,081,252 (OSBORG), March 28, 1978;
- (10) U.S. Patent No. 4,262,065 (GIATTINO), April 14, 1981;
- (11) U.S. Patent No. 4,390,605 (MARHANKA), June 28, 1983;
- (12) U.S. Patent No. 5,084,144 (REDDY et al.), January 28, 1992;
- (13) U.S. Patent No. 5,185,218 (BROKMAN et al.), February 9, 1993;
- (14) U.S. Patent No. 5,573,866 (VAN DINE et al.), November 12, 1996;
- (15) U.S. Patent No. 5,599,640 (LEE et al.), February 4, 1997;
- (16) U.S. Patent No. 5,804,329 (AMENDOLA), September 8, 1998;
- (17) U.S. Patent No. 5,846,669 (SMOTKIN et al.), December 8, 1998;
- (18) U.S. Patent No. 5,904,740 (DAVIS), May 18, 1999;
- (19) U.S. Patent No. 6,534,033 B1 (AMENDOLA et al.), March 18, 2003;
- (20) Savadogo et al., "The electro-oxidations of some acetals for direct hydrocarbons fuel cell applications" IIIrd International Symposium on Electrocatalysis, Slovenia, 1999, pp. 57-61;
- (21) Lamy et al., "Direct anodic oxidation of alcohols in a PEMFC" IIIrd International Symposium on Electrocatalysis, Slovenia, 1999, pp. 95-98;

- (22) Lee et al., "The characterization of an alkaline fuel cell that uses hydrogen storage alloys" *Journal Of The Electrochemical Society*, vol. 149, No. 5, pp. A603-A606 (2002);
- (23) Korvin; "Hydrazine" *Khimiya Moscow* 1980 (in Russian) pp. 205-224;
- (24) Lamy et al., "Electrocatalytic oxidation of aliphatic alcohols: Application to the direct alcohol fuel cell (DAFC)" *Journal of Applied Electrochemistry* 31: pp. 799-809 (2001);
- (25) Lasia, "Porous electrodes in the presence of a concentration gradient" *Journal of Electroanalytical Chemistry* 428 (1997), pp. 155-164;
- (26) Tripkovic et al., "Kinetic and mechanistic study of methanol oxidation on a Pt (111) surface in alkaline media" *Journal of Electroanalytical Chemistry* 418 (1996), pp. 9-20;
- (27) "Handbook of Chemistry and Physics", 71. edition, D. R. Lide, Ed., CRC Press, Inc., Boca Raton (1990), pp. 8-22 to 8-23;
- (28) Bockris, J.O.M. and Srinivasan, S., "Fuel Cells: Their Electrochemistry" McGraw-Hill, Inc., NY (1969), pp. 588-593;
- (29) Appelby, A.J. and Foulkes, F.R., *Fuel Cell Handbook*, Van Nostrand Reinhold, NY (1989), pp. 206-240;
- (30) *Fuel Cell Systems*, (eds. Blomen, L.J.M.J and Mugerwa, M.N.), Plenum Press, New York, 1993, pp. 42-52, 63-69, 88-97, 110, 245-269, 271-343 and 493-530;
- (31) Hirchenhofer, J.H., Stauffer, D.B. and Engleman, R.R., "Fuel Cells--A Handbook (Revision 3)" DOE/METC-94-1006, Jan. 1994;

- (32) Schmidt et al., "Formic Acid Oxidation on Pure and Bi-Modified Pt (111): Temperature Effects" Langmuir 2000, 16, pp. 8159-8166;
- (33) Peled et al., "ECS--New Fuels as Alternatives to Methanol for Direct Oxidation Fuel Cells" Electrochemical and Solid-State Letters, pp. A38-A41 (2001);
- (34) Kim et al., "Electrochemical Oxidation of Ethanol at Thermally Prepared RuO<sub>2</sub>-Modified Electrodes in Alkaline Media" Journal of Applied Electrochemistry 146: pp. 1075-1080 (1999);
- (35) Souza et al., "Performance of a co-electrodeposited Pt-Ru electrode for the electro-oxidation of ethanol studied by in situ FTIR spectroscopy" Journal of Electroanalytical Chemistry 420, pp. 17-20 (1997);
- (36) DE 32 38 963 A1, April 26, 1984, accompanied by an English language abstract thereof (provided by esp@cenet).

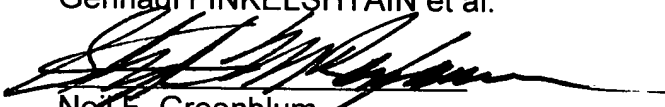
Copies of the above-listed documents (with the exception of U.S. patents and U.S. patent applications) are enclosed together with a completed copy of the PTO-1449 Form listing these documents. Accordingly, the Examiner is requested to consider these documents and to indicate such consideration by returning a signed and initialed copy of the PTO-1449 Form with the next official communication.

Pursuant to the U.S. Patent and Trademark Office's decision to partially waive the requirements under 37 C.F.R. § 1.98 (a)(2)(i) and (iii), copies of the U.S. patents and U.S. patent applications cited above are not enclosed herewith. However, if any copies are needed, the Examiner is respectfully requested to contact the undersigned.

The fee set forth in 37 C.F.R. § 1.17 (p) is paid by the attached check.

If there should be any questions, the Examiner is invited to contact the undersigned at the telephone number listed below.

Respectfully submitted,  
Gennadi FINKELSHTAIN et al.



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FORM PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
P24712Application No.  
10/757,849INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(Use several sheets if necessary)

Applicant  
Gennadi FINKELSHTAIN et al.Filing Date  
January 16, 2004Group  
1714

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |        | DOCUMENT NUMBER | DATE     | NAME                | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|--------|-----------------|----------|---------------------|-------|----------|-------------------------------|
|                     |        | 6 7 7 3 4 7 0   | 08/10/04 | FINKELSHTAIN et al. |       |          |                               |
|                     | 2002 / | 0 1 4 2 1 9 6   | 10/03/02 | FINKELSHTAIN et al. |       |          |                               |
|                     |        | 6 8 7 8 6 6 4   | 04/12/05 | FINKELSHTAIN et al. |       |          |                               |
|                     |        | 3 5 1 1 7 1 0   | 05/12/70 | JUNG et al.         |       |          |                               |
|                     |        | 3 3 4 6 5 0 6   | 10/10/67 | BEUMEL, Jr.         |       |          |                               |
|                     |        | 3 4 6 0 9 0 6   | 08/12/69 | LENZ et al.         |       |          |                               |
|                     |        | 4 0 8 1 2 5 2   | 03/28/78 | OSBORG              |       |          |                               |
|                     |        | 4 2 6 2 0 6 5   | 04/14/81 | GIATTINO            |       |          |                               |
|                     |        | 4 3 9 0 6 0 5   | 06/28/83 | MARHANKA            |       |          |                               |
|                     |        | 5 0 8 4 1 4 4   | 01/28/92 | REDDY et al.        |       |          |                               |
|                     |        | 5 1 8 5 2 1 8   | 02/09/93 | BROKMAN et al.      |       |          |                               |
|                     |        | 5 5 7 3 8 6 6   | 11/12/96 | VAN DINE et al.     |       |          |                               |
|                     |        | 5 5 9 9 6 4 0   | 02/04/97 | LEE et al.          |       |          |                               |
|                     |        | 5 8 0 4 3 2 9   | 09/08/98 | AMENDOLA            |       |          |                               |
|                     |        | 5 8 4 6 6 6 9   | 12/08/98 | SMOTKIN et al.      |       |          |                               |
|                     |        | 5 9 0 4 7 4 0   | 05/18/99 | DAVIS               |       |          |                               |
|                     |        | 6 5 3 4 0 3 3   | 03/18/03 | AMENDOLA et al.     |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|  |        | DOCUMENT NUMBER | DATE     | COUNTRY  | CLASS | SUBCLASS | TRANSLATION<br>YES NO |
|--|--------|-----------------|----------|----------|-------|----------|-----------------------|
|  | 0      | 2 / 0 5 4 0 6   | 07/11/02 | W.I.P.O. |       |          |                       |
|  | 2004 / | 0 1 2 2 8 0     | 02/05/04 | W.I.P.O. |       |          |                       |
|  |        | 3 2 3 8 9 6 3   | 04/26/84 | GERMANY  |       |          |                       |

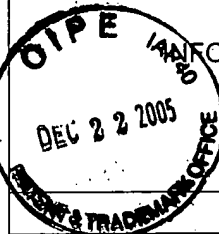
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|   |  |
|---|--|
| 1 | English Language Abstract of DE 32 38 963.   |
| 2 | Savadogo et al., "The electro-oxidations of some acetals for direct hydrocarbons fuel cell applications" IIIrd International Symposium on Electrocatalysis, Slovenia, 1999, pp. 57-61. |
| 3 | Lamy et al., "Direct anodic oxidation of alcohols in a PEMFC" IIIrd International Symposium on Electrocatalysis, Slovenia, 1999, pp. 95-98.  |
| 4 | Lee et al., "The characterization of an alkaline fuel cell that uses hydrogen storage alloys" Journal Of The Electrochemical Society, vol. 149, No. 5, pp. A603-A606 (2002).           |
| 5 | Korvin, "Hydrazine" Khimiya Moscow 1980 (in Russian) pp. 205-224.  |
| 6 | Lamy et al., "Electrocatalytic oxidation of aliphatic alcohols: Application to the direct alcohol fuel cell (DAFC)" Journal of Applied Electrochemistry 31: pp. 799-809 (2001).        |

EXAMINER

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|   |    |  |      |  |       |                               |                               |
|---|----|--|------|--|-------|-------------------------------|-------------------------------|
| FORM PTO-1449   |    | U.S. Department of Commerce<br>Patent and Trademark Office   |      | Atty. Docket No.<br>P24712               |       | Application No.<br>10/757,849 |                               |
|  <p>INFORMATION DISCLOSURE STATEMENT<br/>BY APPLICANT<br/>(Use several sheets if necessary)</p>   |    |  |      | Applicant<br>Gennadi FINKELSHTAIN et al. |       |                               |                               |
|   |    |  |      | Filing Date<br>January 16, 2004          |       | Group<br>1714                 |                               |
| <b>U.S. PATENT DOCUMENTS</b>  |    |  |      |  |       |                               |                               |
| EXAMINER<br>INITIAL   |    | DOCUMENT NUMBER  | DATE | NAME                                     | CLASS | SUBCLASS                      | FILING DATE<br>IF APPROPRIATE |
|   |    |  |      |  |       |                               |                               |
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| <b>FOREIGN PATENT DOCUMENTS</b>   |    |  |      |  |       |                               |                               |
|   |    | DOCUMENT NUMBER  | DATE | COUNTRY                                  | CLASS | SUBCLASS                      | TRANSLATION<br>YES      NO    |
|   |    |  |      |  |       |                               |                               |
|   |    |  |      |  |       |                               |                               |
| <b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>   |    |  |      |  |       |                               |                               |
|   | 7  | Lasia, "Porous electrodes in the presence of a concentration gradient" Journal of Electroanalytical Chemistry 428 (1997), pp. 155-164.   |      |  |       |                               |                               |
|   | 8  | Tripkovic et al., "Kinetic and mechanistic study of methanol oxidation on a Pt (111) surface in alkaline media" Journal of Electroanalytical Chemistry 418 (1996), pp. 9-20.                                 |      |  |       |                               |                               |
|   | 9  | "Handbook of Chemistry and Physics", 71. edition, D. R. Lide, Ed., CRC Press, Inc., Boca Raton (1990), pp. 8-22 to 8-23.   |      |  |       |                               |                               |
|   | 10 | Bockris, J.O.M. and Srinivasan, S., "Fuel Cells: Their Electrochemistry" McGraw-Hill, Inc., NY (1969), pp. 588-593.  |      |  |       |                               |                               |
|   | 11 | Appelby, A.J. and Foulkes, F.R., Fuel Cell Handbook, Van Nostrand Reinhold, NY (1989), pp. 206-240.  |      |  |       |                               |                               |
|   | 12 | Fuel Cell Systems, (eds. Blomen, L.J.M.J and Mugerwa, M.N.), Plenum Press, New York, 1993, pp. 42-52, 63-69, 88-97, 110, 245-269, 271-343 and 493-530.   |      |  |       |                               |                               |
|   | 13 | Hirchenhofer, J.H., Stauffer, D.B. and Engleman, R.R., "Fuel Cells--A Handbook (Revision 3)" DOE/METC-94-1006, Jan. 1994.  |      |  |       |                               |                               |
|   | 14 | Schmidt et al., "Formic Acid Oxidation on Pure and Bi-Modified Pt (111): Temperature Effects" Langmuir 2000, 16, pp. 8159-8166.  |      |  |       |                               |                               |
|   | 15 | Peled et al., "ECS--New Fuels as Alternatives to Methanol for Direct Oxidation Fuel Cells" Electrochemical and Solid-State Letters, pp. A38-A41 (2001).  |      |  |       |                               |                               |
|   | 16 | Kim et al., "Electrochemical Oxidation of Ethanol at Thermally Prepared RuO <sub>2</sub> -Modified Electrodes in Alkaline Media" Journal of Applied Electrochemistry 146: pp. 1075-1080 (1999).              |      |  |       |                               |                               |
|   | 17 | Souza et al., "Performance of a co-electrodeposited Pt-Ru electrode for the electro-oxidation of ethanol studied by in situ FTIR spectroscopy" Journal of Electroanalytical Chemistry 420, pp. 17-20 (1997). |      |  |       |                               |                               |
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| <p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p> |    |  |      |  |       |                               |                               |